



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

fw

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/692,189

10/22/2003

Young S. Kim

A-71849/AJT (463515-68)

8426

28249 7590 02/22/2007
DILWORTH & BARRESE, LLP
333 EARLE OVINGTON BLVD.
SUITE 702
UNIONDALE, NY 11553

EXAMINER

PAUL, DISLER

ART UNIT

PAPER NUMBER

2615

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
--	-----------	---------------

3 MONTHS

02/22/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/692,189	Applicant(s) KIM, YOUNG S.	
	Examiner Disler Paul	Art Unit 2615	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claim 1,6-7 is rejected under 35 U.S.C. 102(a) as being anticipated by Miramontes ("US 2002/0072395 A1").

Re claim 1, Miramontes discloses a wireless cell phone comprising a handset and a keypad assembly ("fig.1-2: the handset (2) and Keypad assembly (5)"), the keypad assembly is rotatably couple to the handset ("fig.2, 7:keypad could rotates; page 6[0041] line 2-4") and comprises a first side for a telephone keypad ("fig.1/5-first side for telephone number; page 3[0024] line 5") and a second side for a data communication keypad ("fig.2/9;page 4[0025] line 6-10").

Re claim 6, the wireless cell phone of claim 1, which further comprises a camera ("fig.1/45;page 6[0041] line 10").

Re claim 7, the wireless cell phone of claim 1 wherein the handset comprises a microphone ("fig. (1-2)/6").

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2,9 are rejected under 35 U.S.C. 103(a) as being unpatentable over unpatentable over ("US 2002/0072395 A1") and further in view of Kfoury ("US 6,549,789 B1").

Re claim 2, Miramontes discloses the wireless cell phone of claim 1, However, He fail to disclose the keypad assembly is removable from the handset. But, Kfoury discloses a handheld device in which the keypad assembly is removable from the handset ("col.3 line 17-20;Fig.14/(1400); col.7 line 16-18") for the purpose of allowing multimode operation by the user. Thus, taking the combined teaching of Miramontes and Kfoury as a whole, it would have been obvious for one of the ordinary skill in the art to modify the teaching of Miramontes by incorporating the feature of the keypad assembly being removable from the handset for the purpose of allowing multimode operation by the user.

Re claim 9 has been analyzed and rejected with respect to claim 2.

Claim Rejections - 35 USC § 103

5. Claims 3-5, 8,10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miramontes ("US2002/0072395 A1") and Sharp ("US 7,120,474 B1").

Re claim 8, Miramontes discloses a wireless cell phone comprising a handset and a keypad assembly ("fig.1-2: the handset(2) and Keypad assembly (5)"), the keypad assembly is rotatably couple to the handset ("fig.2,7:keypad could rotates;page 6[0041] line 2-4") and comprises a first side for a telephone keypad ("fig.1/5-first side for telephone number;page 3[0024] line 5") and a second side for a data communication keypad ("fig.2/9;page 4[0025] line 6-10"). However, Miramontes fail to disclose the handset cover rotatably coupled to the handset. But, Sharp disclose a communication device in which the handset cover rotatably coupled to the handset ("fig.1-2;col.2 line 8-14") for the purpose of protecting the keypad from damage. Thus, taking the combine teaching of Miramontes and Sharp as a whole, it would have been obvious for one of ordinary skill in the art to modify the teaching of Miramontes by incorporating the handset cover rotatably coupled to the handset for the purpose of protecting the keypad from damage.

The combined teaching of Miramontes and Sharp as whole further teach, the handset cover comprises an exterior display ("Sharp,fig.1a/26a") and an interior display ("Sharp,fig.2a/26"), said exterior display being capable of displaying electronic information when the handset cover is in a folded position with respect to the handset ("col.2 line 45-47").

Re claim 10, the combined teaching of Miramontes and Sharp as a whole teach the wireless cell phone of claim 8, wherein the keypad assembly is Rotatable away from and toward to the handset and Rotatable about an axis having an angle with respect to the handset ("Miramontes,fig.(2,7)-keypad with fold").

out section at axis wt respect to handset and away toward and from the handset").

Re claim 3-4, have been analyzed and rejected with respect to claim 10.

Re claim 5, Miramontes discloses the wireless cell phone of claim 1, However, Miramontes fail to disclose the handset cover rotatably coupled to the handset. But, Sharp disclose a communication device in which the handset cover rotatably coupled to the handset ("fig.1-2;col.2 line 8-14") for the purpose of protecting the keypad from damage. Thus, taking the combine teaching of Miramontes and Sharp as a whole, it would have been obvious for one of ordinary skill in the art to modify the teaching of Miramontes by incorporating the handset cover rotatably coupled to the handset for the purpose of protecting the keypad from damage.

Re claim 11, the wireless cell phone of claim 8 which further comprises a camera ("fig.7/45").

Conclusion

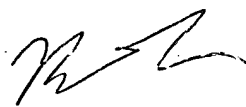
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Disler Paul whose telephone number is 571-272-2222. The examiner can normally be reached on 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chin Vivian can be reached on 571-272-7848. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2615

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DP



VIVIAN CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600